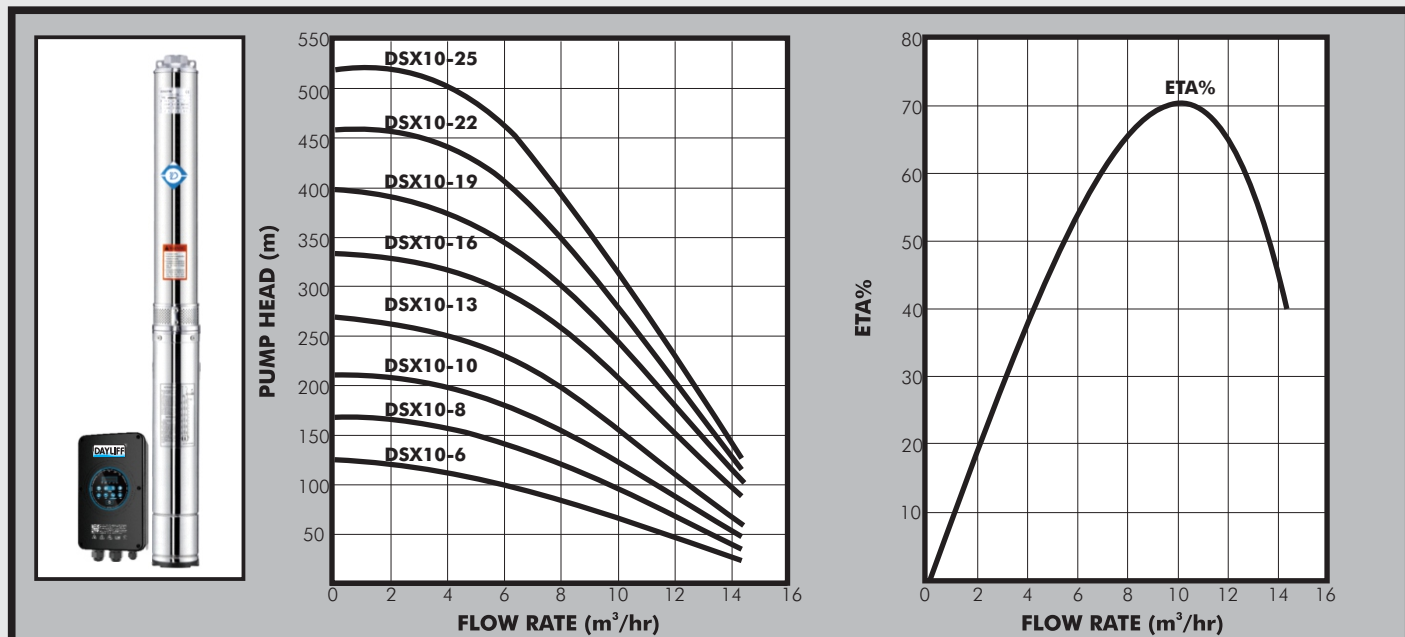




DSX10

Permanent Magnet Borehole Pumps



PUMP

DAYLIFF DSX submersible pumps featuring permanent magnet motors are specifically designed for water supply from boreholes. Equipped with a high specification intelligent variable frequency controller and operating at high frequency they offer unmatched efficiency and much reduced size. Materials of construction are engineering polymer impeller and diffuser and AISI304 stainless steel for top and bottom chambers, pump sleeve and shaft.

MOTOR

Permanent magnet synchronous motor uses special magnetised materials which generate a higher flux density that greatly improves efficiency and power factor. Operating at 5000 RPM the rated motor current is about 85% of an equivalent synchronous motor with the motor efficiencies of up to 90%.

CONTROLLER

The pump is provided with a remote intelligent variable frequency controller with features that include digital parameter indication, soft start, IoT (Internet of Things) control facility, electrical protection from high/low voltage, motor current overload and phase loss and dry run protection. The IoT capability provides various functionalities including remote control, real time monitoring, operating status recording and fault alarm record. Pumps can be monitored and controlled through GSM connected mobile phones.

DAYLIFF DSX submersible pumps feature revolutionary motor design that provides up to 15% improvement in energy efficiency, about 50% reduced sized and improved reliability through enhanced motor control. They offer quite unmatched operational performance and are the new frontier in pumping technology.

Enclosure Class: IP68, Controller: IP55

Voltage: 3x380V - 415V

Insulation Class: B

Speed: 5000rpm

OPERATING CONDITIONS

Pumped liquid: Thin, clean, chemically non-aggressive liquids without solid particles or fibres.

Max. Liquid Temperature: +35°C

Max. Particle Size: 2.3mm

Max Immersion Depth: 200m

Minimum Borehole Diameter: 110mm

PUMP DATA

Model	Motor		Current (A)	DN (")	Dimensions (mm)			Weight (kg)
	kW	HP			A	B	C	
DSX10-6	2.2	3	5	2	364	806	442	12
DSX10-8	3	4	8		391	902	511	14
DSX10-10	4	5.5	10		419	1031	612	16
DSX10-13	5.5	7.5	13		459	1174	715	19
DSX10-16	7.5	10	16		509	1327	818	22
DSX10-19	9.2	13	19		559	1576	953	26
DSX10-22	11	15	22		609	1665	1056	29
DSX10-25	13	18	25		659	1818	1159	32

